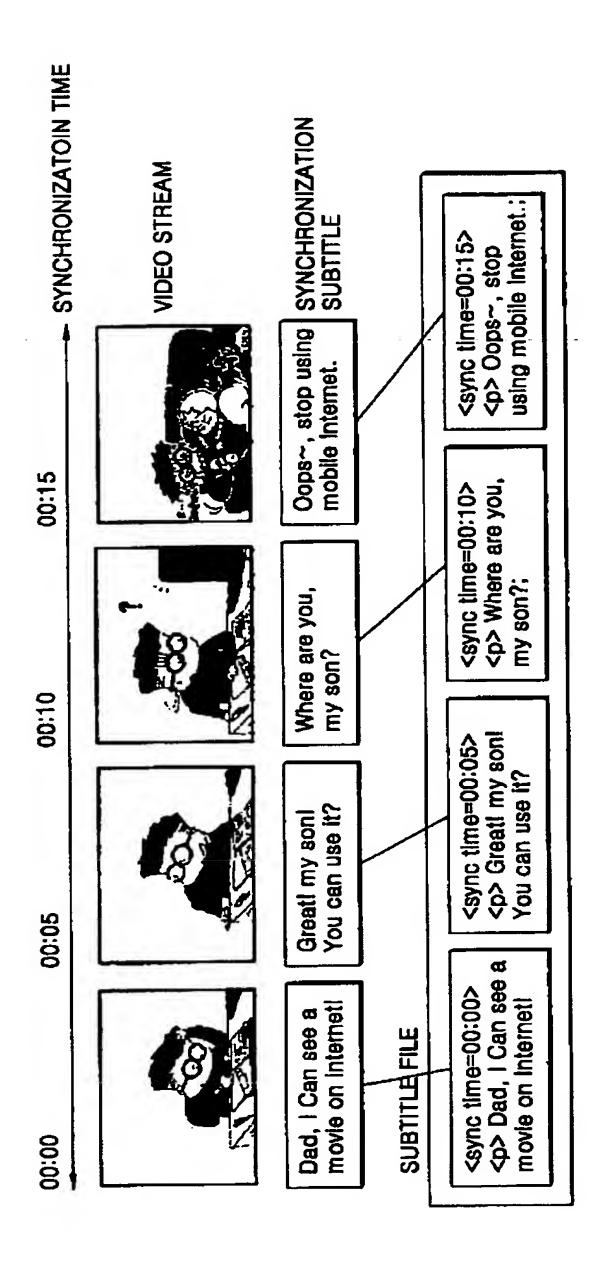
FIG. 1



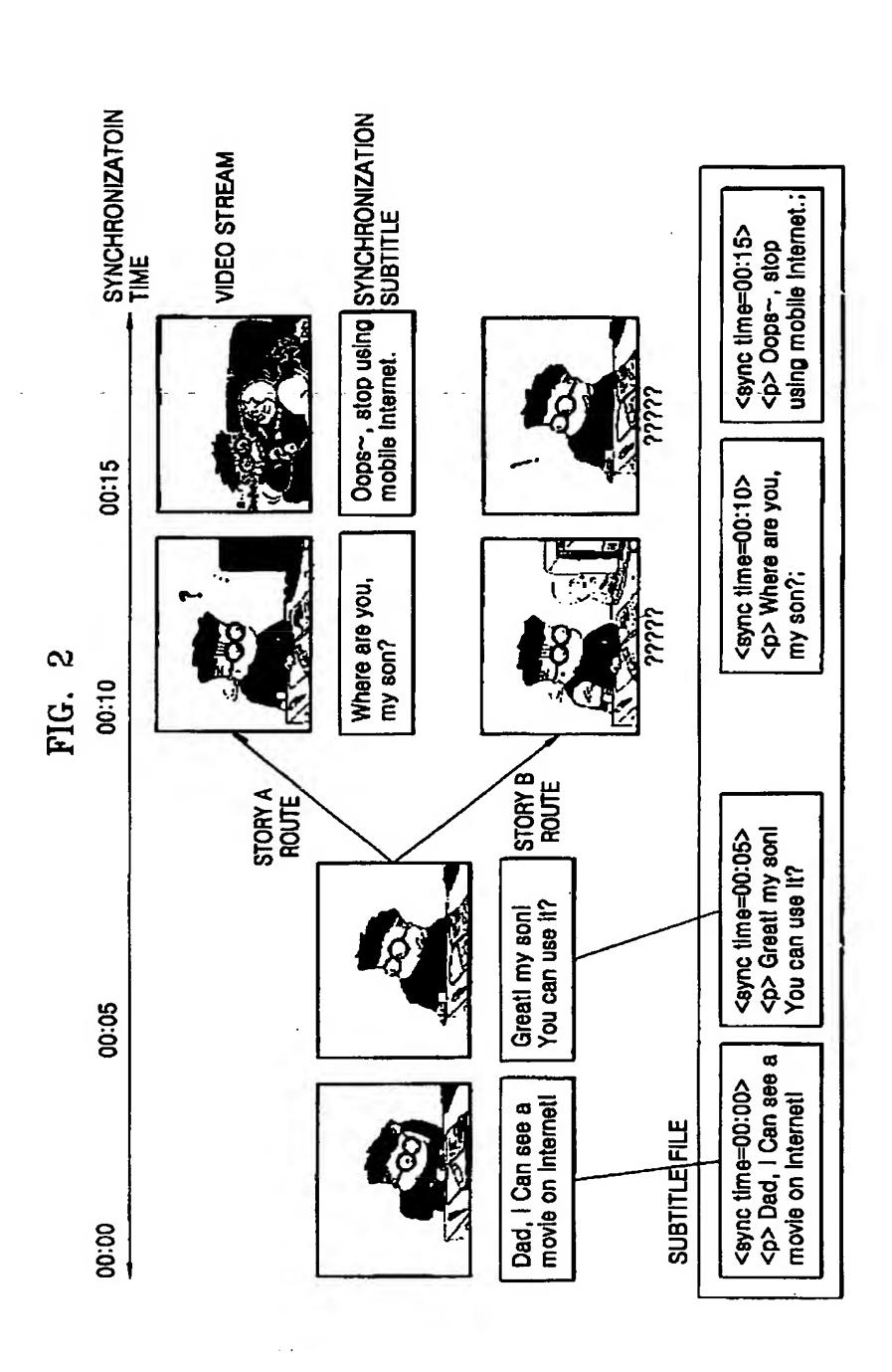


FIG. 3

00:15		Oops~, stop using mobile Internet.			Oh, My son is very cleverl	
00:10	VIDEO DATA A	Where are you, my son?	VIDEO DATA B		You use it really well.	
	STORY A ROUTE			STORY B ROUTE		
00:05		S C C C C C C C C C C C C C C C C C C C		Greatl my sonf You can use it?		
00:00	VIDEO DATA'C			Dad, I Can see a movie on Internet!		

FIG. 4

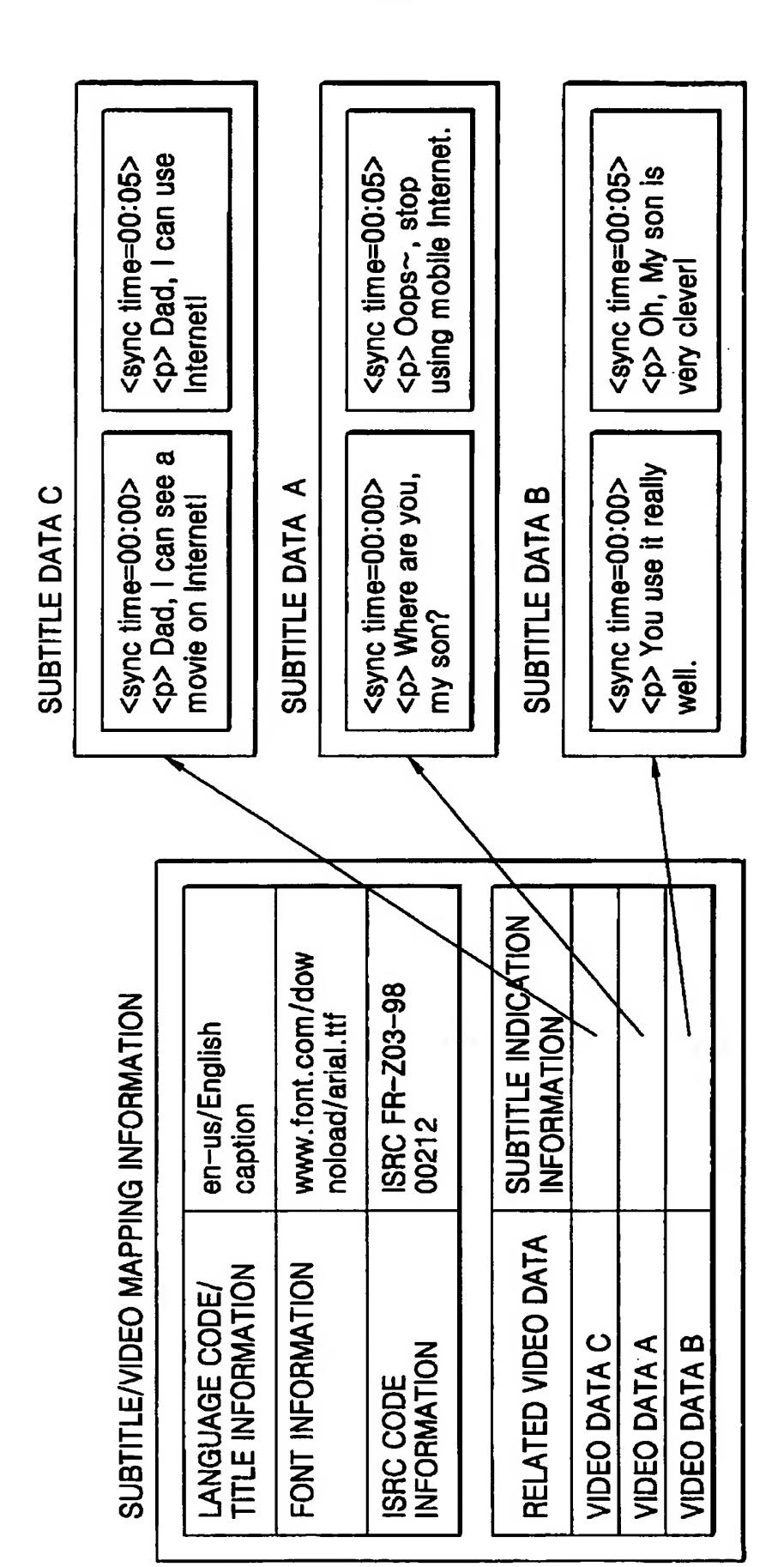


FIG. 5

		SUBTITLE DATA C	OF LANGUAGE X	SUBTITLE DATA A	CIBTITIE DATA B	SOBILITE CATA	OF LANGUAGE X		SUBTITLE DATA C	OF LANGUAGE Y	SUBTITLE DATA A	O STAC PITTURE	SUBILILE DAIA B	OF LANGUAGE Y		SUBTITLE DATA C	OF LANGUAGE Z	SUBTITLE DATA A	SI IDTITI E DATA D	OF LANGUAGE Z
×		CAPTION INFORMATION INDICATION					\		CAPTION INFORMATION INDICATION					2		CAPTION INFORMATION INDICATION				
SUBTITLE/VIDEO MAPPING INFORMATION X	LANGUAGE CODE/TITLE INFORMATION INFORMATION/FONT/ISRC	ASSOCIATED VIDEO DATA	VIDEO DATA C	VIDEO DATA A	VIDEO DATA B		SUBTITLE/VIDEO MAPPING INFORMATION Y	LANGUAGE CODE/TITLE INFORMATION INFORMATION/FONT/ISRC	ASSOCIATED VIDEO DATA	VIDEO DATA C	VIDEO DATA A	VIDEO DATA 8		SUBTITLE/VIDEO MAPPING INFORMATION Z	LANGUAGE CODE/TITLE INFORMATION INFORMATION/FONT/ISRC	ASSOCIATED VIDEO DATA	VIDEO DATA C	VIDEO DATA A	VIDEO DATA B	
							SUBTITLE INDICATION INFORMATION BY LANGLIAGE	LANGUAGE CODE/ THIS INCOMMATION INCOMMATION	1	kr/Korean cantion	In/. lananaga cantion	Incapances capital							•	

FIG. 6

SUBTITLE DATA

POSITION INFORMATION OF SUBTITLE TO BE DISPLAYED ON SCREEN/LANGUAGE CODE/ISRC

REFERENCE OFFSET INFORMATION FOR RANDOM SEARCH

TIME INFORMATION SYNCHRONIZING SUBTITLE WITH VIDEO

TEXT INFORMATION UNIT AS SUBTITLE CONTENTS

FIG. 7

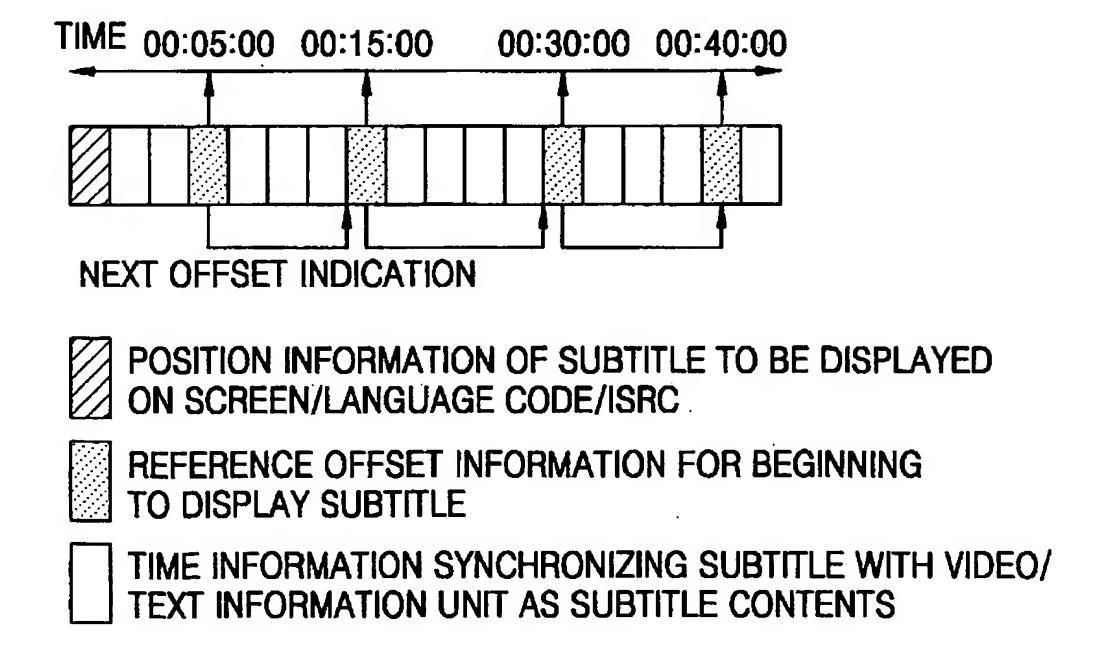


FIG. 8

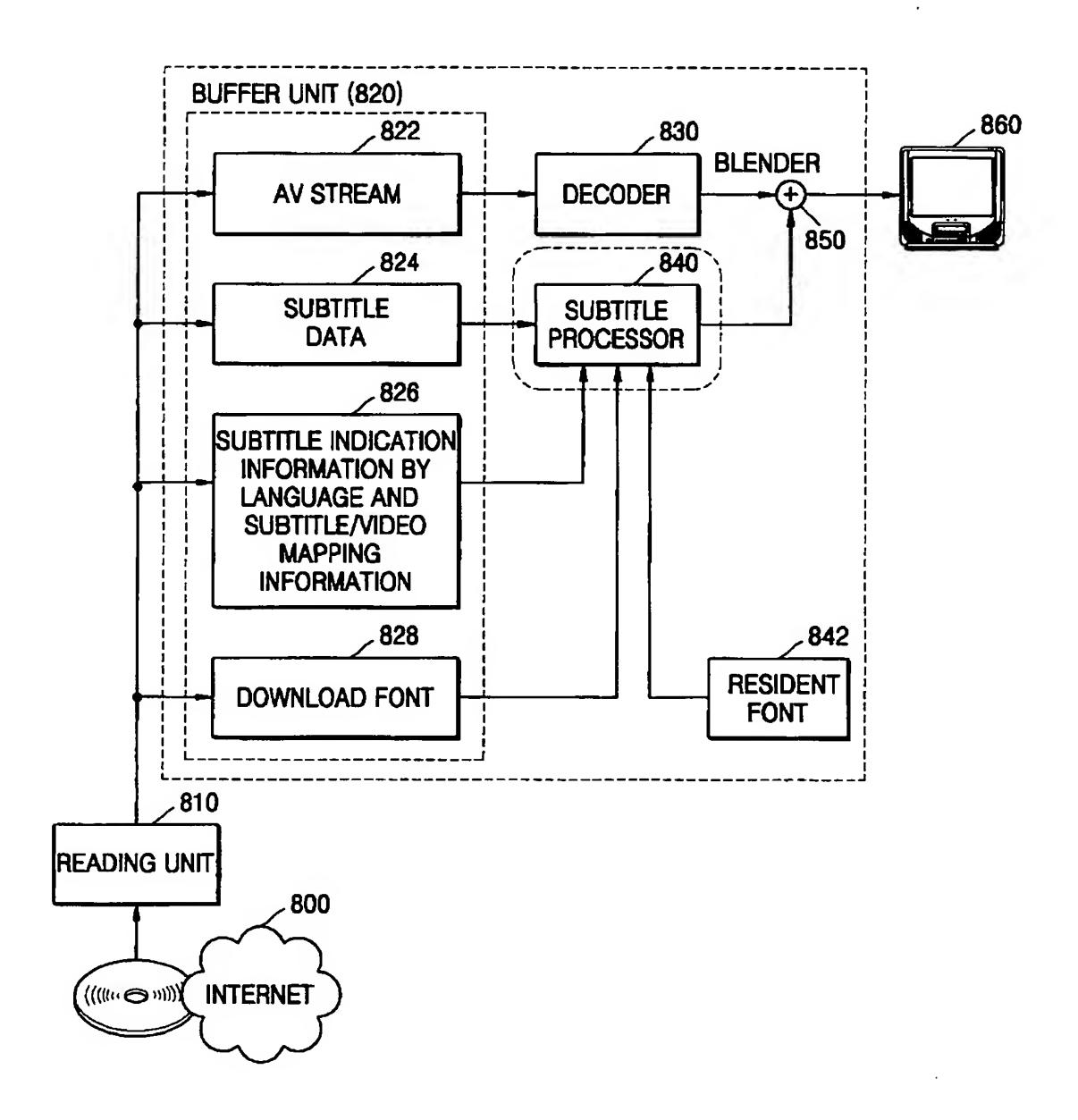


FIG. 9

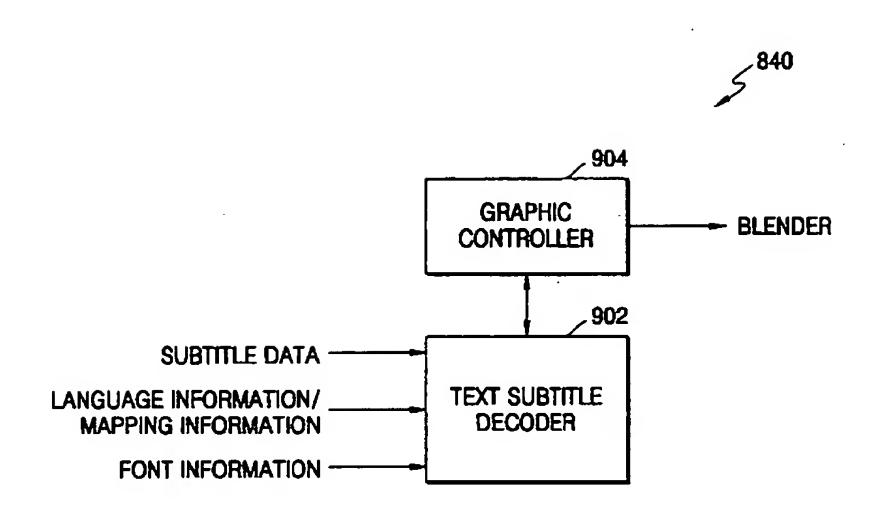


FIG. 10

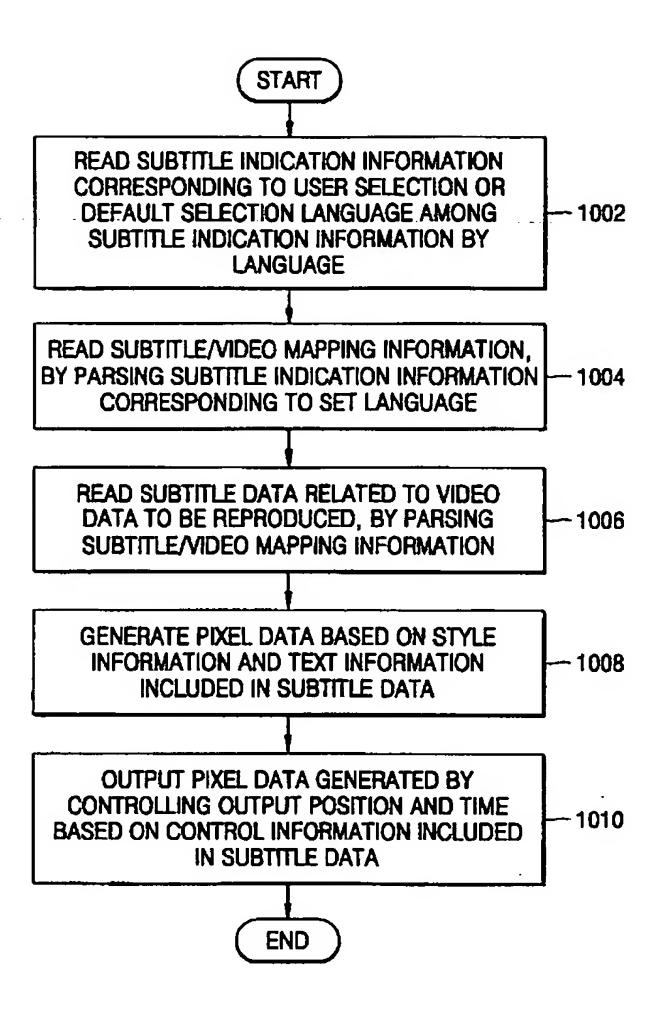
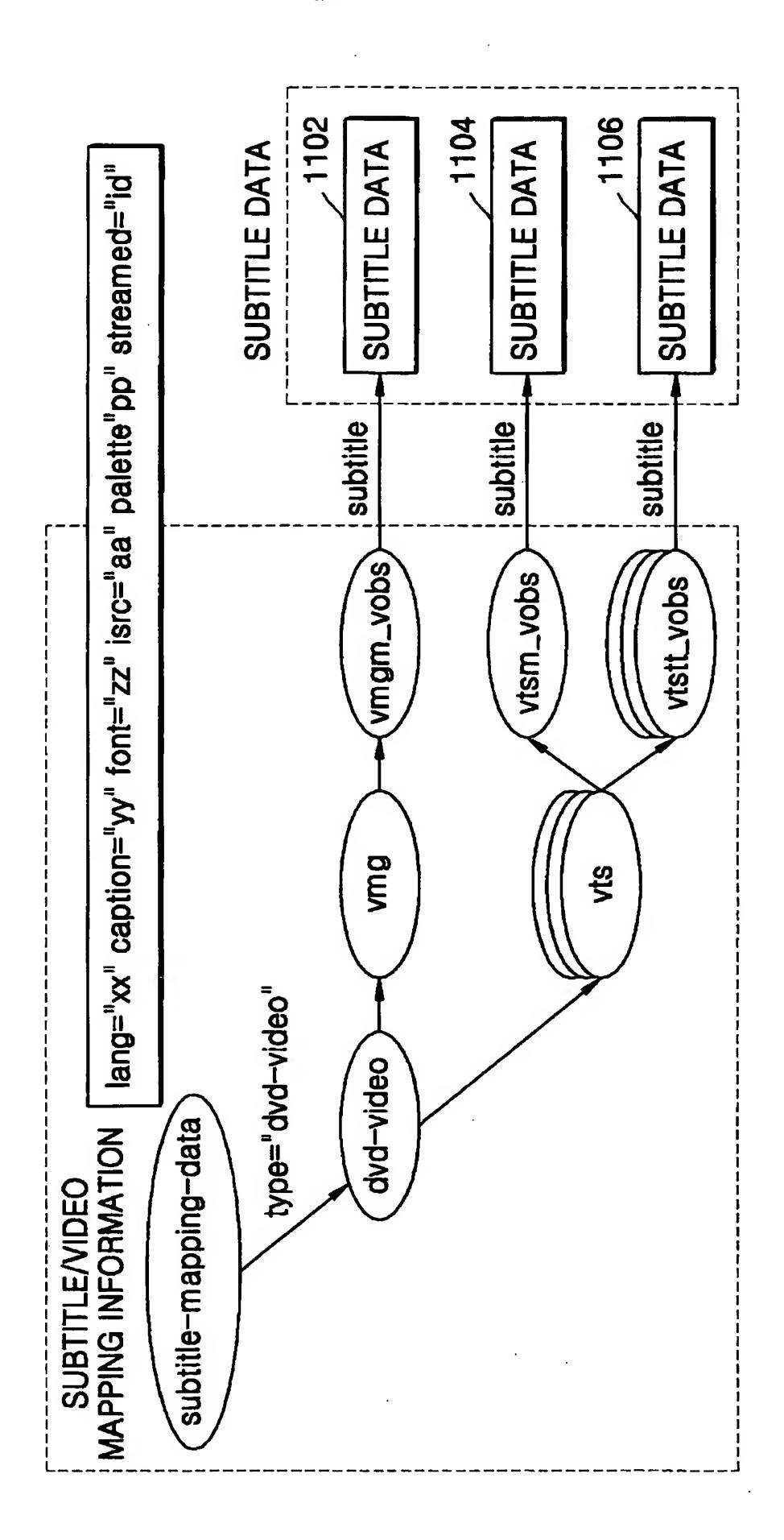


FIG. 11



```
<subtitle-mapping-data type="dvd-video" lang="en-us" caption="English caption"</pre>
font="http://www.font.com/download/arial.ttf"
                                                         ISRC
                                                                  FR-Z03-98-00212*
                                                isrc="
streamid="32">
<dvd-video>
<palette>
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        <color index="1 yuv="108080" />
        <color index="2 yuv="3b8080" />
        <color index="3 yuv="668080" />
        <color Index="4 yuv="918080" />
        <color index="5 yuv="bc8080" />
        <color index="6 yuv="eb8080" />
        <color index="7 yuv="108080" />
        <color index="8 yuv="108080" />
        <color index="9 yuv="108080" />
        <color index="10" yuv="108080" />
        <color index="11" yuv="108080" />
        <color index="12" yuv="108080" />
        <color index="13" yuv="108080" />
        <color index="14" yuv="108080" />
        <color index="15" yuv="108080" /> --
</paiette>
<vmgm_vobs>
               <subtitle vob_idn="1" href="file://englsh_vmgm.text" /> --- 1202
        </vmgm_vobs>
</vmg>
<vts idn="1">
        <vtsm_vobs>
               <subtitle vob_idn="1" href=" file://english_vtsm.text" /> --- 1204
        </vtsm_vobs>
        <vtstf_vobs>
                <subtitle vob_idn="1-9" href=" file://english_tt1vob1.text" />
                                                                                 1206
                <subtitle vob_idn="10-49" href=" file://english_tt1vob10.text" />
                <subtitle vob_idn="50-100" href=" file://english_tt1vob50.text" /> /
        </vtstt_vobs>
</vts>
</dvd-video>
</subtitle-mapping-data>
```

FIG. 13

					MATION 1302	MATION 1304	MATION (ext)	MATION 1306 .text)	MATION (text)
	d/arial.tff)				SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_vmgm.txt)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_vtsm.text)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob1.text)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob10.text)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob50.text)
r caption)	tp://www.font.com/downloc	-00212)			VOB INDICATION INFORMATION(1)	VOB INDICATION INFORMATION(1)	VOB INDICATION INFORMATION(1-9)	VOB INDICATION INFORMATION(10-49)	VOB INDICATION INFORMATION(50-100)
LANGUAGE (EXAMPLE. en-us) SUBTITLE TITLE (EXAMPLE. English caption)	FONT INFORMATION (EXAMPLE, http://www.font.com/downlocd/arial.tff)	ISRC (EXAMPLE, ISRC FR-Z03-98-00212)	PALETTE INFORMATION	STREAM ID INFORMATION	VOBS INDICATION INFORMATION (EXAMPLE, VMGM_VOBS)	VOBS INDICATION INFORMATION (EXAMPLE, VTSM_VOBS)	VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)	VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)	VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)

FIG. 14

SUBTITLE DATA

LANGUAGE CODE/ISRC REFERENCE OFFSET INFORMATION FOR RANDOM SEARCH (VOB_IDN, CELL_IDN) SYNCHRONIZATION TIME INFORMATION (RELATIVE TIME ON REFERENCE CELL STARTING TIME POINT OR PTS) STYLE INFORMATION/ CONTROL INFORMATION

FIG. 15A

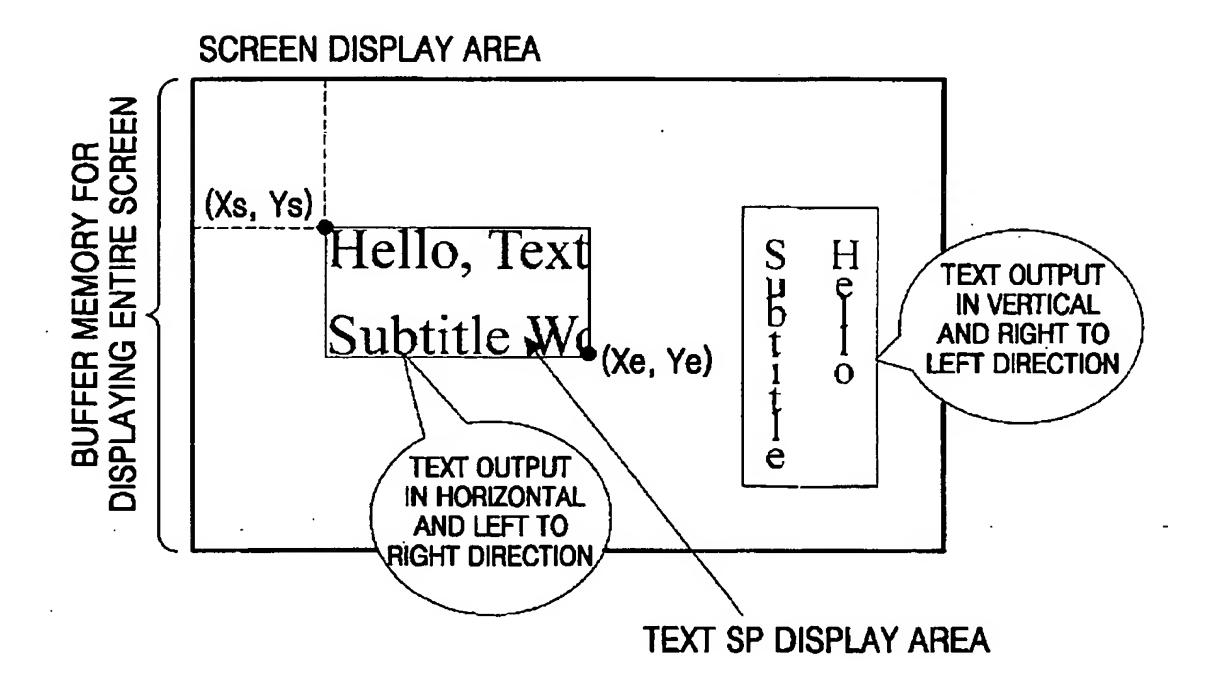


FIG. 15B

BUFFER MEMORY FOR DISPLAYING PIXEL DATA AREA PIXEL DATA AREA FOR SUBTITLE DISPLAYING POINT FOR RENDERING TEXT

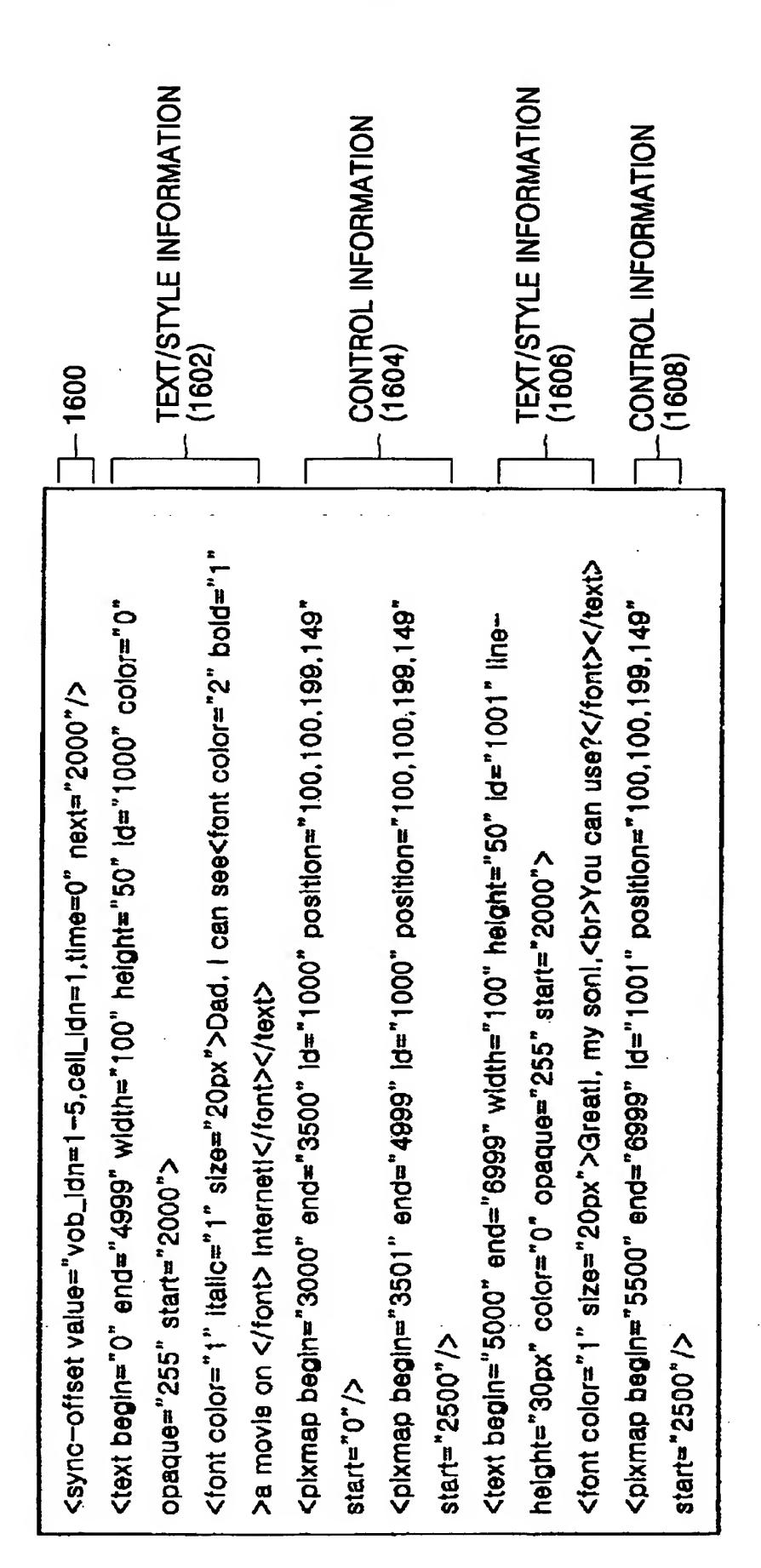


FIG. 17

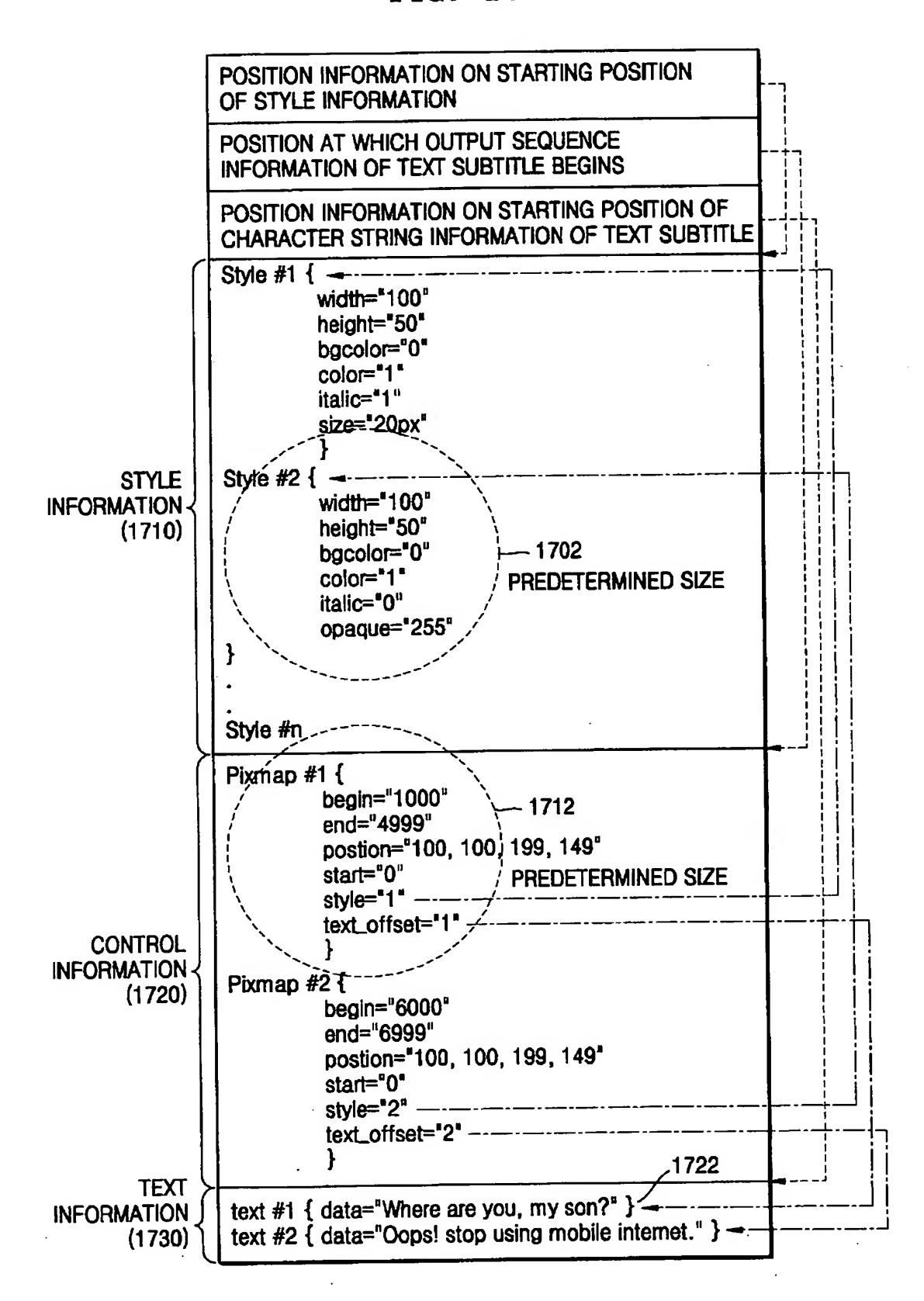


FIG. 18

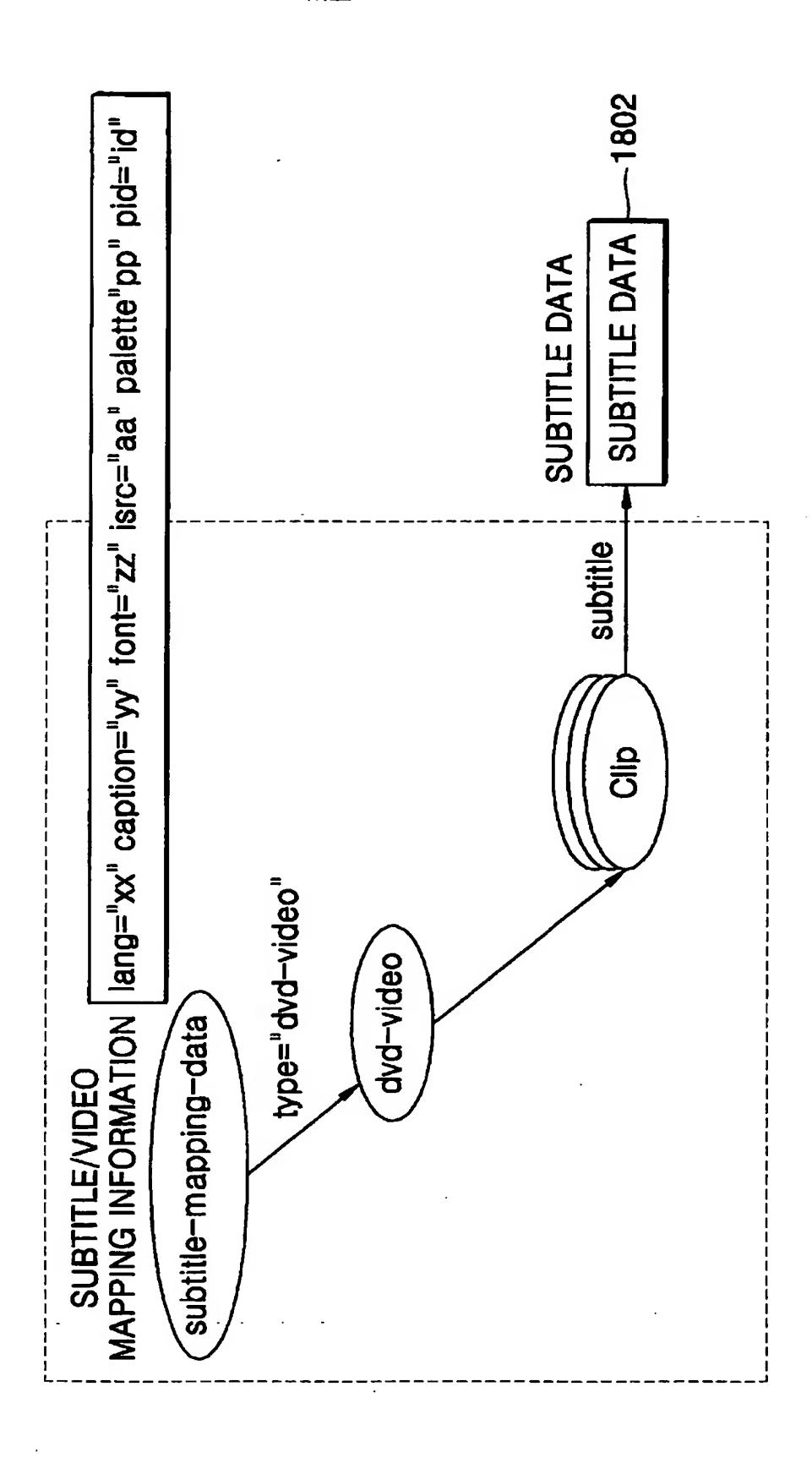


FIG. 20

		3				
LANGUAGE (EXAMPLE, en-us)						
SUBTITLE TITLE (EXAMPLE, Engli	sh caption)					
FONT INFORMATION (EXAMPLE, http://www.font.com/downlocd/arial.tff)						
ISRC (EXAMPLE에, ISRC FR-Z03-	-9800212)					
PID INFORMATION						
CLIP INDICATION INFORMATION	SUBTITLE DATA POSITION INFORMATION					
(0001.clipi)	(EXAMPLE, file://english_001.text)					
CLIP INDICATION INFORMATION	SUBTITLE DATA POSITION INFORMATION					
(0001.clipi)	(EXAMPLE, file://english_002.text)					
CLIP INDICATION INFORMATION	SUBTITLE DATA POSITION INFORMATION					
(0001.clipi)	(EXAMPLE, file://english_003.text)]丿				

2002

FIG. 21

SUBTITLE DATA

LANGUAGE CODE/ISRC

REFERENCE OFFSET INFORMATION
FOR RANDOM SEARCH
(REPRODUCTION TIME MARK)

SYNCHRONIZATION TIME INFORMATION (RELATIVE TIME ON REPRODUCTION TIME POINT OF CLIP OR PTS)

STYLE INFORMATION/ TEXT INFORMATION/ CONTROL INFORMATION

FIG. 22A

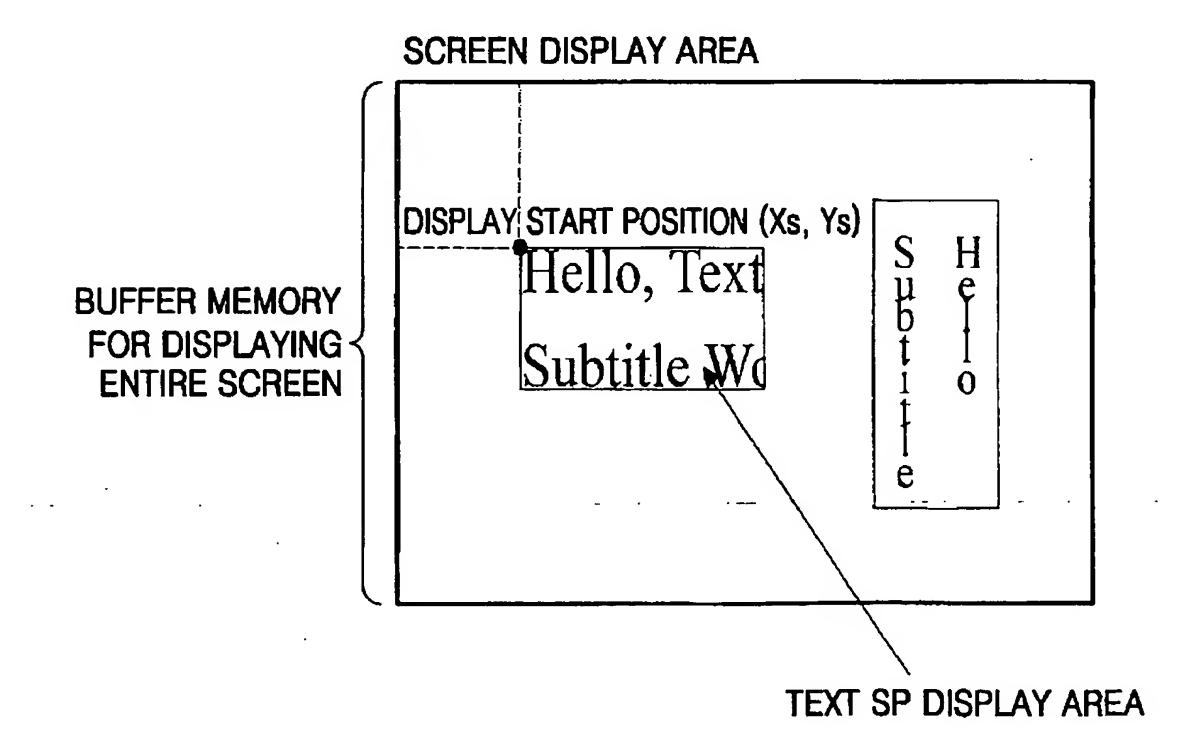
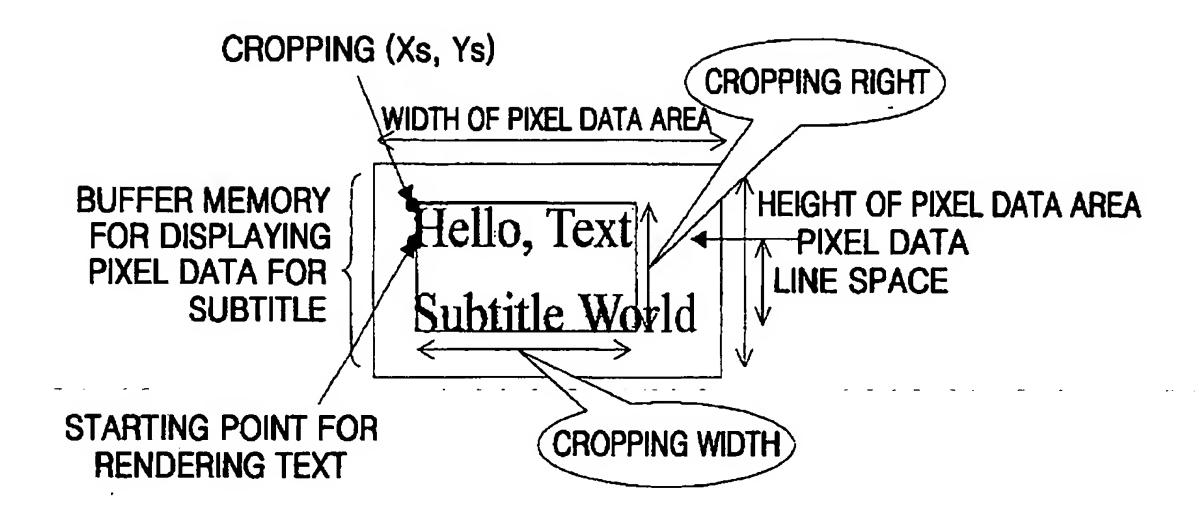


FIG. 22B



```
TEXT/STYLE INFORMATION
(2302)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TEXT/STYLE INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CONTROL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CONTROL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (2308)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (2304)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (2306)
                                                                                                                                                                                                                                                                                                                                                                                             <font color="1" italic="1" size="20px">Dad, | can see<font color="2" bold="1"</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <font color="1" size="20px">Great! my son!<br>You can use?</font></text>
                                                                                                                                                                                                                                                                                                                            <text begin="0" end="4999" width="100" height="5-" id="1000" color="0"</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <text begin="5000" end="6999" width="100" height="50" id="1001" line-</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <pixmap id="1000" position="300.300" cropping="0.25.100.25"/>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <pixmap id="1000" position="100.100" cropping="0.0.100.50"/>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <pi><pi><pi><pi>100.100.100" cropping="0.0.100.50"/>
<subtitle-data isrc FR-Z03-98-00212" lang="eb-us">
                                                                                                                                                                                                                                                                                                                                                                                                                                                            <composition begin="3000" end="4999" palette="1">
                                                                                                                                                                                                                                                                                                                                                                                                                                >a movie on </font> Internet </font></text>
                                                                                              <color index="0" yuv="296efoff"/>
<color index="1" yuv="10808off"/>
                                                                                                                                                          <color index="2" yuv="3b808off"/>
                                                                                                                                                                                   <color index="3" yuv="66808off"/>
                                                                                                                                                                                                                       <color index="4" yuv="91808off"/>
                                                                                                                                                                                                                                                        <color index="5" yuv="bc808off"/>
                            <sync-offset value="0" next="20000"/>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          height="30px" color="0" start="2000">
                                                              cpalette id="1">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 </sublitle-data>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                </composition>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  </composition>
                                                                                                                                                                                                                                                                                                                                                            start="2000">
                                                                                                                                                                                                                                                                                                    </palette>
```

FIG. 24

